FIG 1   single computer vision system

Camera — 11

Acquisition circuitry — 12

General purpose processor

VP — 13

14

UI — 15

Input Device circuitry — 16

Input Device (control pad, keyboard, mo...

Display circuitry — 17

Display Device (LCD display, monit...
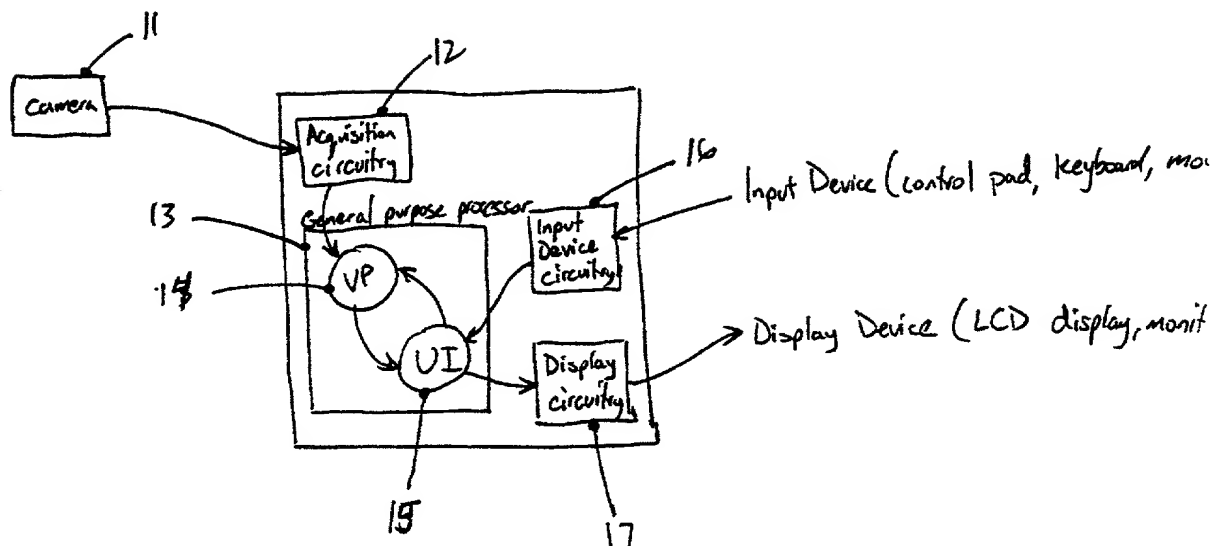
PRIOR ART

FIG 2   Dual computer vision system

communications link

(rs232, ethernet, etc)
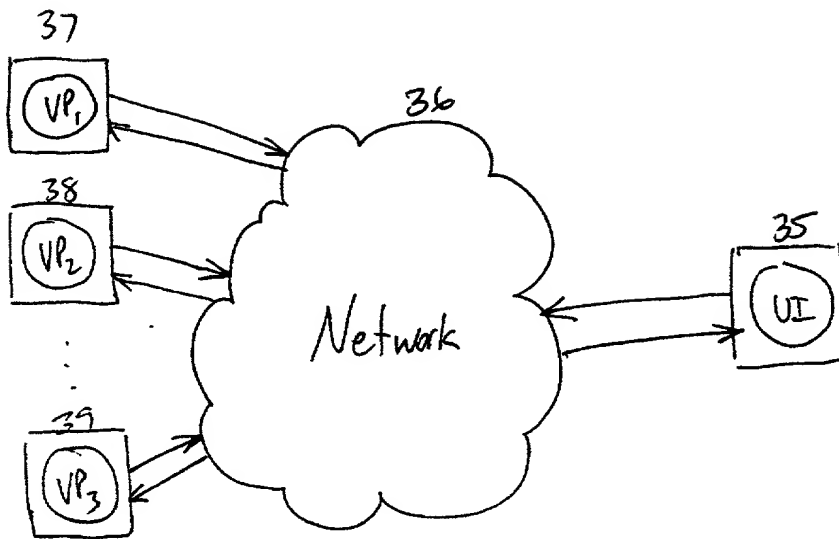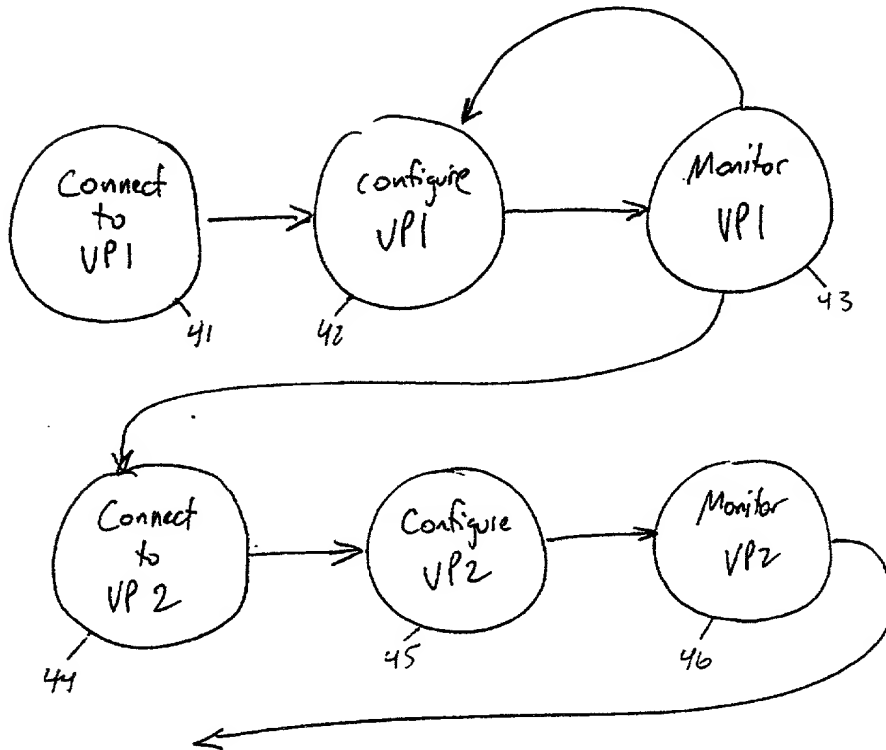
Input Device

Display Device
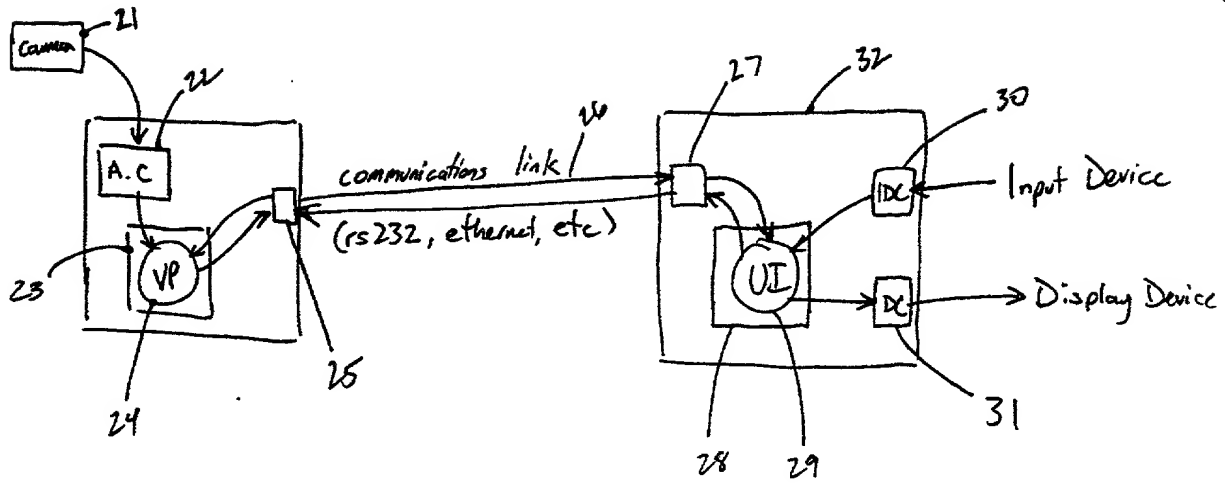
PRIOR ART

FIG 3   UI   connecting   to   many   VPs   via   a   network

FIG 4   Connection, configuration, and monitoring by a developer
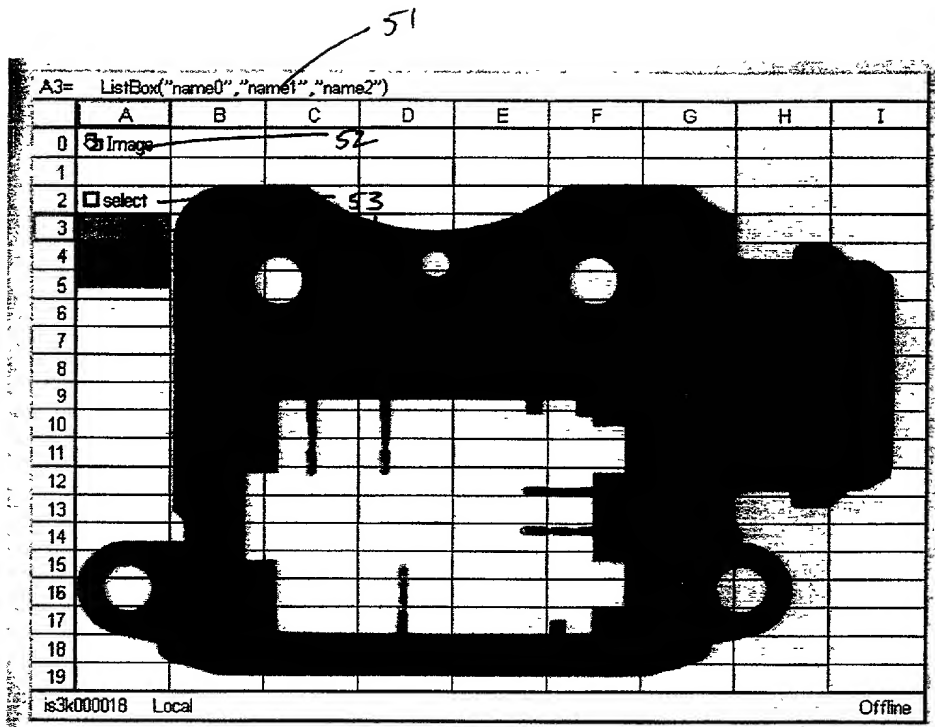

PRIOR ART

FIG 5

61 62 63 64

A2=	Link("Link to System1","System1","","")	
	Parameter	Value
0	Label	
1	Host Name	System1
2	Dialog Label	
3	Cursor Pos	

Cancel

A tex... ...a text string. Labels are displayed on...

FIG 6

FIG 37

_ FIG 8

a)

VP₁ ←→ 81 → UI

VP₁ ⤏ 82 ⤏

VP₂
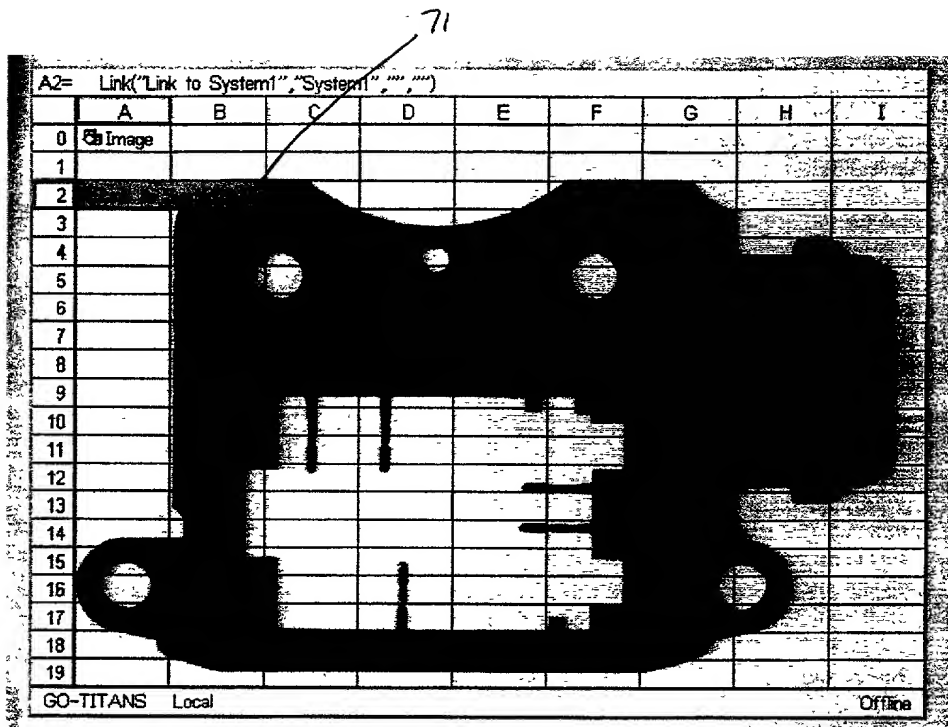
VP₃

b)

VP₁   UI

83

VP₂

VP₃

c)

VP₁   UI

83

VP₂

VP₃

```
Acquire Image (...)
if (Read Barcode fails)
Link ("FailureSystem")
else
   .
   .
   <additional VP functions>
   .
   .
```
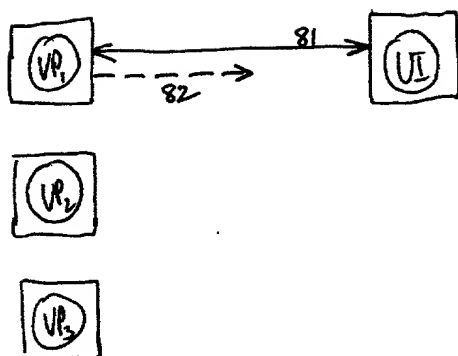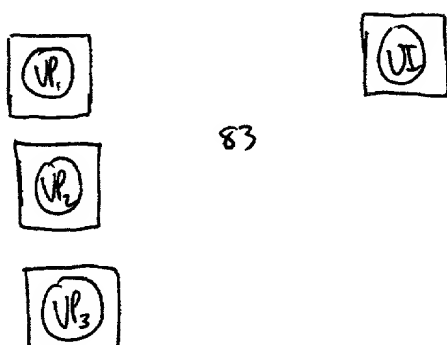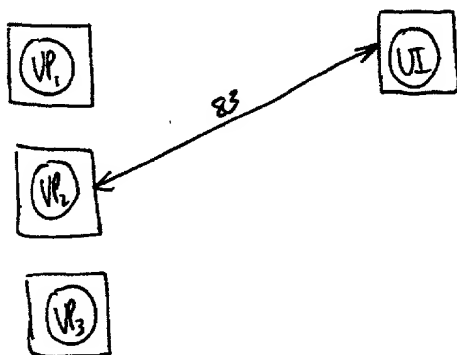
FIG 9